

ABSTRACT

The present invention relates to coating of lifting slings with a polyurea elastomer, polyurethane, or hybrid polyurethane – polyurea elastomer. In addition, optionally the coating material can include one or more additives such as a catalyst, stabilizer, pigment, fire retardant, or other additives. In the present invention use of additives can enhance the lifting slings effectiveness and improve the operational condition and or suitability for use of the lifting sling. The present invention also relates to the ability to form a multi-core sling from a plurality of single cores. More specifically, the single cores can be tenaciously bonded together with the coating material to form a multi-core lifting sling. The present invention also relates to embedding a safety core along the length of the lifting sling core. The safety core allows monitoring of certain operational parameters related to the lifting sling by way of an indicator and or electronic system.

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